WATER 2025: PREVENTING CRISES AND CONFLICT IN THE WEST

The 2005 Water 2025 Challenge Grant Program for Western States

Idaho: The Idaho Water Resources Board will develop a groundwater-recharge project for the Eastern Snake Plain Aquifer, using unappropriated natural surface-water flows from the Upper Snake River Basin. The Board will construct a pipeline from the W-Canal to two recharge basins. The recharge project would receive about 10,000 acre-feet of water per year. The total cost of the project is $519,126 with a Water 2025 contribution of $250,000.

Kansas: The Kansas Department of Agriculture will install flow-measurement equipment on 100 diversions in the Republican River basin. The real-time monitoring of the diversions will enhance water-management and water-marketing opportunities between senior and junior water rights holders. Irrigators in the basin have had to curtail diversions in 5 of the 6 previous years. The total project will cost $495,698 with a Water 2025 contribution of $230,720.

Texas: The Texas Water Development Board will purchase 10 acoustical leak-detection units and make them available to public water-supply systems and analyze statewide public water-system loss audits in preparation of setting regulations. The project will identify leaks in water systems for future water-saving projects. The total project will cost $321,527 with a Water 2025 contribution of $158,250.

Arizona: The Arizona Department of Water Resources will develop a Web-based reporting tool to collect water-use data from community water systems in rural Arizona; develop a database of supply-and-demand information; make data available via the Web; review system efficiency; and develop goals or benchmarks for water conservation in rural communities. The project will facilitate regional planning, promote conservation and enhance monitoring. The total project will cost $438,700 with a Water 2025 contribution of $190,000.

Montana: The state of Montana will install flow-measurement equipment on 13 diversions in the Milk River Project; develop a computer flow-simulation model for the Milk-St. Mary Rivers System; upgrade four streamflow gages on tributaries of the Milk River; and install an agrimet station and use satellite imagery to verify consumptive uses in Canada. The total project will cost $188,999 with a Water 2025 contribution of $81,286.

New Mexico: The state of New Mexico will rehabilitate a USGS streamflow gage on the Pecos River to provide more accurate high streamflow measurements. The gage will help better measure water under high flow conditions. Accurate measurement of water delivered to Texas under the Pecos River Compact is critical to the state. The total project will cost $146,660 with a Water 2025 contribution of $59,480.

Reclamation is the largest wholesale water supplier in the United States, and the nation's second largest producer of hydroelectric power. Its facilities also provide substantial flood control, recreation, and fish and wildlife benefits. Information on Water 2025 is available online at www.doi.gov/water2025.